RYAN C. JOHNSON

Project Manager

Mr. Johnson currently serves Burns & McDonnell as a Project Manager. He also serves as the Account Manager for Vermont based utilities. He has more than 32 years of experience in the transmission and distribution electric utility industry as a project manager, transmission and substation engineering manager and construction manager.

A summary of his experience at Burns & McDonnell and with prior employment is provided below.

EDUCATION

- Bachelor of Science in Civil Engineering
- Associate of Engineering in Civil and Environmental Engineering Technology

REGISTRATIONS

- Certified State of Vermont Engineer Intern

ORGANIZATIONS

- Member of the American Society of Civil Engineers
- Member of the Vermont Society of Land Surveyors

9 YEARS WITH BURNS & MCDONNELL

32 YEARS OF EXPERIENCE

Transmission Line Refurbishment Program | Vermont Electric Power Company

Vermont | 2018–Present

Project Manager Mr. Johnson currently serves as the program manager for a $225 million transmission line asset maintenance, capital program. The program maintains the reliability and integrity of VELCO's transmission line infrastructure by ensuring that the existing structure plant is routinely assessed and replaced in a manageable, efficient, and cost-effective manner.

K149 and K43 Fiber | Vermont Electric Power Company

Vermont | 2019–2020

Project Manager for a $1.4 million telecommunications infrastructure addition of 24 miles of All-Dielectric Self-Supporting fiber optic cable. Make ready provisions and cable were installed on existing 115kV structures. 23 miles of the installations were under energized conditions.

Connecticut River Valley Program | Vermont Electric Power Company

Vermont | 2015–2018

Project Manager for a $122 million reliability upgrade program. He had complete project oversight responsibilities including the design, engineering, procurement, project controls, compliance and construction for 14 miles of 115-kV transmission line reconstruction and reconductoring, 115-kV ring bus and 46kV tie installation, and a 115-kV breaker and a half substation expansion.

Green Mountain Power Corporation*

Rutland, Vermont | Oct 2012–June 2015

Manager, Transmission and Substation Civil Engineering Mr. Johnson served as a manager in transmission and substation civil engineering. He performed design and construction coordination for the installation and modification of transmission and substation facilities. Major duties and responsibilities included:

- Preliminary and detailed design of new transmission facilities along with modification to existing facilities
- Developing planning and budgetary estimates, plans, and schedules for conceptual and approved projects.

RYAN C. JOHNSON

(continued)

- Providing expert testimony at formal hearings for GMP projects.
- Procurement of transmission equipment
- Coordinating and supervising construction with GMP departments and outside contractors.
- Managing construction schedules and expenditures to assure projects were completed on time and on budget.
- Reviewing and obtaining approval of substation civil design.
- Managing and implementing the maintenance requirements for nearly 1000 miles of GMP transmission lines.

He served as a project manager in all capacities for the company's transmission projects. In addition to serving transmission projects, he was also responsible for oversight of the below grade and above grade portions for all major substation projects. His experience includes the responsibility of managing every transmission project, both major capital and all maintenance, within the company from cradle to grave. These projects were implemented under a highly scrutinized budget process that has been set up to satisfy the stringent audit of the Department of Public Service through the Alternative Regulation process. Preliminary designs are developed during this process and can be built upon for regulatory permitting. Through the Section 248 regulatory process, he developed expert testimony and exhibits reflecting all critical aspects of the project to satisfy requirements of State regulators, State agencies, Towns, landowners, etc. In conjunction with the Section 248 process, he engaged with internal and external stakeholder groups to secure all other State and Federal permits required for projects.

Upon successful acquisition of permits, he managed finalizing designs, identified and ordered required materials, and creates schedules for the projects. All material costs are compared to budgets and tracked to ensure the project isn't off track early. He was responsible for pulling together project work plans to present for outage coordination and internal/external resource allocation. For external resource requirements during construction, he was responsible for putting together contract documents for bidding, reviewing bids, and awarding to successful bidders. During construction, he manages both schedule and projects cost. He was also responsible for seeing that all requirements of the project permits are fulfilled and carried through. As projects were completed, Mr. Johnson managed the close out process which includes regulatory compliance reporting, as-builts, preparing closeout documentation, and unit cost allocations.

Mr. Johnson's successful major projects include:

- New 5.05 mile 4-6kV transmission line from Weybridge to New Haven
- New 2.07 mile 34.5-kV transmission line in Georgia
- New 2.73 mile 46-kV transmission line in Hartford
- Six position 46-kV ring bus and synchronous condenser installation in Winhall
- 21 mile 46-kV reconstruction project between West Rutland and Danby
- 4.58 mile 34.5-kV reconstruction and reconductor project between Milton and Georgia
- 9.78 mile 46-kV reconstruction and reconductor project between Taftsville and Wilder
- 9.01 mile 46-kV reconstruction and reconductor project between Mt. Holly and Ludlow
- 6.92 mile 34.5-kV reconstruction and reconductor project between Fairfax and Milton
- 40+ miles of other reconductor projects at 69kV, 46kV, and 34.5kV
- Various substation reconstruction and expansion projects

Central Vermont Public Service Corporation*

Rutland, Vermont | 2006–2012

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Manager, Transmission and Substation Civil Engineering Mr. Johnson served as a manager in transmission and substation civil engineering. He performed the same tasks as described above for Green Mountain Power.

Vermont Electric Power Company, Inc.*

Rutland, Vermont | 2000–2006

Manager of Transmission Engineering, Construction, and Real Estate Mr. Johnson served as manager of transmission engineering and was responsible for the civil engineering and construction of VELCO's substation and transmission projects with voltages ranging from 13.8kV through 345kV. His major duties and responsibilities included:

- Developing budgetary and planning estimates, plans, and schedules for conceptual and approved projects.
- Implementing and managing bids, procuring equipment, and supervising construction of projects.
- Providing expert testimony at formal hearings for VELCO projects.
- Coordinating with other utilities and agencies as appropriate during construction of joint or related projects.
- Land and engineering surveys, inputting them to major maintenance projects.
- Coordinating real estate requirements for VELCO facilities.

Rutland, Vermont | 1996–2000*

Civil/Substation Design Engineer Mr. Johnson served as a civil substation designer engineer and performed civil design and construction management for the installation and modification of electrical substations ranging from 13.8kV through 345kV. Major tasks included:

- Preliminary and detailed design of new substations and modification to existing substations
- Coordinating and supervising construction with VELCO departments, other utilities, and outside contractors.
- Specification and procurement of substation equipment
- Designing and coordinating of any other civil related projects

Solari Enterprises, Inc.*

Chittenden, Vermont | 1994–1996

Building Contractor Mr. Johnson served as a building contractor. He worked with other contractors to design and erect new structures, additions, and renovations.

Central Vermont Public Service Corporation*

Rutland, Vermont | Co-op May 1992– December 1993

Surveyor/Substation Design/CADD Operator Mr. Johnson served as a surveyor, substation designer and CADD operator.

Johnson & Johnson Surveying*

Ira, Vermont | 1986 - Present

Surveyor Mr. Johnson serves as a surveyor in a family-owned business and works side by side with a Registered Land Surveyor on urban and rural property surveys, property line location, and subdivisions. Other tasks include:

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- Deed research and description review
- Survey calculations, adjustments, and drafting

Professional Development:

- OSHA 10
- Black & Veatch Transmission and Distribution Substation Design I & II
- Lehigh University Transmission Line Design
- UWM Understanding Power System Design & Component Applications
- PTI Transmission and Distribution Lightning Protection Seminar
- Lapp Insulator Engineering Seminar
- S&C Circuit Switcher Workshop
- ENCE Grounding Seminar
- Power Engineers Substation Planning and Design Conference

**denotes experience prior to joining Burns & McDonnell*